

Date: Thu, 31 Mar 94 20:28:34 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #356
To: Info-Hams

Info-Hams Digest Thu, 31 Mar 94 Volume 94 : Issue 356

Today's Topics:

 2N2222 vs 2N2222A (was HAMS and hams)
 Anyone out there?
 Daily Summary of Solar Geophysical Activity for 29 March
 FT-530 RX Performance
 HELP: Anyone know what a XR2206 chip is?
 ICOM 725 Mods
 Obscenity on ham bands
 ORBS\$091.MISC.AMSAT
 Rec.Radio.Amateur.Antennas activity??
 ReIm WHS-150
 STOP SENDING HAMS ON USENET CRAP !!!
 TELEPHONE INTERFERENCE SURVEY
 The FCC Rule Book
 THE problem with THE hams HERE.
 Which HF rigs have Transverter Jacks?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 30 Mar 1994 18:47:23 -0500
From: dale.ksc.nasa.gov!algol.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: 2N2222 vs 2N2222A (was HAMS and hams)
To: info-hams@ucsd.edu

In article <9402257646.AA764631129@smtpgty.anatcp.rockwell.com>,
William_A._Kirsanoff@smtpgty.anatcp.rockwell.COM (William A. Kirsanoff)
wrote:

> I say (now on the real subject): The "A" devices have a different gain
> characteristic, (hFE @ 10v 10ma 50-325 for the 2222, 75-325 for the "A")

Wm. A.-

Your numbers didn't look right to me, so I checked an old Motorola data book. I think your data for hFE (DC gain) is actually correct for hfe (ac gain).

Either way, they're a good transistor!

73, Fred, K4DII

Date: Wed, 30 Mar 1994 23:00:00 +0000
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!pipex!demon!mole.demon.co.uk!
richard@network.ucsd.edu
Subject: Anyone out there?
To: info-hams@ucsd.edu

Hi!

Is there anyone on this group, or are you all too busy doing packet to bother with terresrial comms?

I want to get going with packet, so I'd like to do some discussion with others who've done the thing!

Cheers,

Richard Smith
Hardware & Systems Executive - NorthEast Macintosh User Group - UK
Administration: (+44) 0287 638935
Sysop - NEMUG BBS (+44) 0729 824092 weekdays 18:00-24:00GMT; weekends 24Hrs

* My opinions are not necessarily the opinions or policy of the NorthEast Macintosh User Group. I cannot be held responsible for accident, injury or loss occurring as a result of anything I write.

Date: Wed, 30 Mar 1994 17:24:59 MST
From: tribune.usask.ca!kakwa.ucs.ualberta.ca!quartz.ucs.ualberta.ca!alberta!ve6mgs!usenet@decwrl.dec.com
Subject: Daily Summary of Solar Geophysical Activity for 29 March
To: info-hams@ucsd.edu

Solar activity was very low. Newly numbered, spotless Region 7697 (N10E10) produced the largest flare of the past day, a B6/SF at 29/1550Z. Region 7695 (S16W08) also produced a few small flares. It remains a small sunspot group.

Solar activity forecast: solar activity is expected to be very low.

The geomagnetic field was quiet. The expected recurrent disturbance did not materialize.

Geophysical activity forecast: the geomagnetic field is expected to be quiet to unsettled.

Event probabilities 30 mar-01 apr

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 30 mar-01 apr

A. Middle Latitudes

Active	15/15/15
Minor Storm	10/10/10
Major-Severe Storm	05/05/05

B. High Latitudes

Active	15/15/15
Minor Storm	10/10/10
Major-Severe Storm	05/05/05

HF propagation conditions continued normal over all regions. Normal propagation is expected to persist over the next 24 to 72 hours at least.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 29/2400Z MARCH

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7695	S16W08	056	0060	DAO	08	013	BETA	
7694	N11W24	072					PLAGE	
7696	S15W50	098					PLAGE	
7697	N10E10	038					PLAGE	

REGIONS DUE TO RETURN 30 MARCH TO 01 APRIL

NMBR	LAT	LO
NONE		

LISTING OF SOLAR ENERGETIC EVENTS FOR 29 MARCH, 1994

 BEGIN MAX END RGN LOC XRAY OP 245MHZ 10CM SWEEP
 NONE

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 29 MARCH, 1994

 BEGIN MAX END LOCATION TYPE SIZE DUR II IV
 NO EVENTS OBSERVED

INFERRED CORONAL HOLES. LOCATIONS VALID AT 29/2400Z

 ISOLATED HOLES AND POLAR EXTENSIONS
 EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
 71 S20W54 S24W59 S16W69 S14W64 099 ISO POS 002 10830A
 72 N21W27 N05W40 N08W46 N23W31 074 ISO POS 003 10830A
 73 S45E50 S55E31 S35E01 S20E06 013 ISO NEG 026 10830A

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

 Date Begin Max End Xray Op Region Locn 2695 MHz 8800 MHz 15.4 GHz

 28 Mar: 0234 0239 0244 B1.7
 0932 0937 0941 B6.2 SF 7695 S17E13
 1708 1728 1742 B3.9 SF S15E25
 1815 1828 1847 B3.4 SF N09E23
 2318 2326 2335 B2.6

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

 C M X S 1 2 3 4 Total (%)
 -- -- -- -- -- -- -- -- --
 Region 7695: 0 0 0 1 0 0 0 0 001 (20.0)
 Uncorrelated: 0 0 0 2 0 0 0 0 004 (80.0)

Total Events: 005 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

 Date Begin Max End Xray Op Region Locn Sweeps/Optical Observations

NO EVENTS OBSERVED.

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

** End of Daily Report **

Date: Thu, 31 Mar 1994 00:22:18 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!torn!nott!
cunews!freenet.carleton.ca!FreeNet.Carleton.CA!ab718@network.ucsd.edu
Subject: FT-530 RX Performance
To: info-hams@ucsd.edu

In a previous article, peterl@hood.uucp (Peter Lee) says:

> =>The RX VCO does lock from 110-180 MHz, 300-500 MHz and 800-950 MHz.
> =>TX VCO unlocks above ~463 MHz and is inop in 800+. Your
> =>mileage may vary. Someone once did post how to RX from about 770 to
> =>800 (who wants this?)
>
>Well, I have the mod, however, exactly which soldier pad is it? It's hard
>to tell because the pads aren't all numbered, and are really close.
>

Do you, or anyone reading this, where I can get a DC connector for the HT?

Thanks

Daniel
VE3DCL

--

Date: 31 Mar 1994 04:28:36 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!wupost!waikato!canterbury.ac.nz!
southpower.co.nz!ccc.govt.nz!usenet@network.ucsd.edu
Subject: HELP: Anyone know what a XR2206 chip is?
To: info-hams@ucsd.edu

zawada@softage.demon.co.uk (A Gnome On A Mission)

The XR2206 is a function generator. I've seen examples of it giving sinewaves, sawtooths and square waves. I think there are a few places you can get them. I'm not sure if they've been deleted or not because I've seen them in some pretty old schematics. I live in New Zealand but I can't suggest any American outlets, except maybe try Paia or Digikey (ie: the biggies). I know you can get them from "Farnell Electronics", Private Bag, Market Rd, Auckland, New Zealand, or in Australia there are several companies that could probably help, like Dick Smith Electronics or Rod Irving Electronics (sorry don't have a contact number for them).

Good luck in your search

Dean

Date: 1 Apr 94 02:13:02 GMT
From: news-mail-gateway@ucsd.edu
Subject: ICOM 725 Mods
To: info-hams@ucsd.edu

Text item: Text_1

I FTPed a mods ZIP file and the IC-725 mods has a step missing. Can anyone fill in step 5?

Date: 30 Mar 1994 20:48:31 -0500
From: news1.digex.net!access1!bote@uunet.uu.net
Subject: Obscenity on ham bands
To: info-hams@ucsd.edu

jayk@fc.hp.com (Jay Kesterson K0GU) writes:
>Dan Hughes (dhughes@prairienet.org) wrote:
>: ham chatter on my SW receiver. Saturday night on 3910 kHz I heard some
>: of the most disgusting language I've encountered anywhere. One guy was

>Is that the only contact you listened too?? It doesn't take much SWLing
>to notice that isn't the normal contact on the ham bands.

True.

Also, if you don't like what you are hearing, keep
on spinning that tuning dial. You will find someone
to talk to.

--

rec.nude: your exit to good living along the Information Toll Road.
finger bote@access.digex.net for PGP key and an operator will help you.
Only 4 days until Opening Day! How 'bout them Os!!

Date: 1 Apr 94 03:51:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$091.MISC.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-091.M
Orbital Elements 091.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM WA5QGD FORT WORTH,TX April 1, 1994
BID: \$ORBS-091.M
TO ALL RADIO AMATEURS BT

Satellite: POSAT
Catalog number: 22829
Epoch time: 94089.68812903
Element set: 267
Inclination: 98.6555 deg
RA of node: 166.3095 deg
Eccentricity: 0.0011064
Arg of perigee: 65.4928 deg
Mean anomaly: 294.7409 deg
Mean motion: 14.28014942 rev/day
Decay rate: 6.6e-07 rev/day^2
Epoch rev: 2649
Checksum: 332

Satellite: MIR

Catalog number: 16609
Epoch time: 94090.25081547
Element set: 549
Inclination: 51.6462 deg
RA of node: 216.9197 deg
Eccentricity: 0.0015558
Arg of perigee: 91.3363 deg
Mean anomaly: 268.9434 deg
Mean motion: 15.58441517 rev/day
Decay rate: 8.348e-05 rev/day^2
Epoch rev: 49380
Checksum: 334

Satellite: HUBBLE

Catalog number: 20580
Epoch time: 94089.87951733
Element set: 462
Inclination: 28.4691 deg
RA of node: 18.9736 deg
Eccentricity: 0.0006088
Arg of perigee: 352.0216 deg
Mean anomaly: 8.0277 deg
Mean motion: 14.90551165 rev/day
Decay rate: 1.063e-05 rev/day^2
Epoch rev: 1769
Checksum: 307

Satellite: GRO

Catalog number: 21225
Epoch time: 94087.37564364
Element set: 77
Inclination: 28.4619 deg
RA of node: 72.9760 deg
Eccentricity: 0.0003357
Arg of perigee: 25.2579 deg
Mean anomaly: 334.8185 deg
Mean motion: 15.40487736 rev/day
Decay rate: 4.639e-05 rev/day^2
Epoch rev: 4446
Checksum: 326

Satellite: UARS

Catalog number: 21701
Epoch time: 94088.55112080
Element set: 498
Inclination: 56.9828 deg

RA of node: 118.1810 deg
Eccentricity: 0.0004332
Arg of perigee: 96.2144 deg
Mean anomaly: 263.9383 deg
Mean motion: 14.96463997 rev/day
Decay rate: -2.513e-05 rev/day^2
Epoch rev: 13901
Checksum: 305

/EX

Date: 31 Mar 1994 12:50:12 -0800
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!
ctp.org!not-for-mail@network.ucsd.edu
Subject: Rec.Radio.Amateur.Antennas activity??
To: info-hams@ucsd.edu

00tlzivney@leo.bsuvc.bsu.edu writes:

>

> I have posted two items to a newsgroup, rec.radio.amateur.antennas,
> but have never ever seen any other activity on that newsgroup. I have
> been checking for two weeks. Does anyone out there ever look in on
> that newsgroup??????

Perhaps your newsfeed source isn't quite picking up
rec.radio.amateur.antenna (singular). My preferred news server is like
that (gets everything else A-OK except for the rec.radio.*
newsgroups...so I gotta use my other Internet account to play ham radio
Internet style)

--

Gary T. Lau
Internet: garlau@eis.calstate.edu or glau@ccmail.com
Amateur : N6MMM @ NOARY.#NOCAL.USA.NOAM
--I don't know if the California State University or Lotus Development
Corp. wants me to speak for them!

Date: 31 Mar 94 18:07:16 GMT
From: mozz.unh.edu!christa.unh.edu!ckf@uunet.uu.net
Subject: Relm WHS-150
To: info-hams@ucsd.edu

WANTED: Information on the new Relm Communications WHS-150 two way
portable. I have the original literature, but I would rather hear more of

a consumer point of view. Performance? Durability? Any information would be greatly appreciated. ckf@chrita.unh.edu

Thanks!

Chris Fowler

Leader: Team 3

University of NH Search and Rescue

Date: Wed, 30 Mar 1994 19:41:32
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!zip.eecs.umich.edu!
panix!ddsw1!news.kei.com!ssd.intel.com!chnews!ornews.intel.com!ccm.hf.intel.com!
brett_miller@network.ucsd.edu
Subject: STOP SENDING HAMS ON USENET CRAP !!!
To: info-hams@ucsd.edu

In article <1994Mar30.214549.1792@unet.net.com> larsen@loren.net.com (Alan Larson) writes:

> Why do you download it each time?

Many net users do not have real on-line access, they have to download the messages to read them. Some may have online access, but would have HUGE phone bills if they sat and read through the messages. I know, cuz I've been there. It's great to have a direct Internet connection.

Brett Miller N7OLQ
Intel Corp.
American Fork, UT

brett_miller@ccm.hf.intel.com

Date: Wed, 30 Mar 1994 20:53:09 GMT
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!cnn.exu.ericsson.se!ericom!
eua.ericsson.se!sunic!psinntp!psinntp!arrrl.org!ehare@network.ucsd.edu
Subject: TELEPHONE INTERFERENCE SURVEY
To: info-hams@ucsd.edu

David Tiller (dtiller@cscsun.rmc.edu) wrote:

: FCC survey deleted

: Assuming the 5-12 watt CB entries were sideband (ie legal), was anything
: done to the illegal CB operators? As a side note, none of the Amateur
: stations were over the 1500W limit, although there's no way to prove
: they were within the other constraints of their license.

:~). I had thought of that myself. Unfortunately, the survey report didn't say. But I bet the CBers were sure sweating bullets or dropping bricks over it for a bit.

Ed

--

Ed Hare, KA1CV, ARRL Laboratory, 225 Main, Newington, CT 06111
203-666-1541 ehare@arrl.org

My electronic posts and email do not necessarily represent the policy of the ARRL, but I can probably get in trouble for them anyway!

Date: Thu, 31 Mar 1994 03:52:59 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!vixen.cso.uiuc.edu!moe.ksu.ksu.edu!usenet-feed.umn.edu!rholobau@network.ucsd.edu
Subject: The FCC Rule Book
To: info-hams@ucsd.edu

THanks to all the e-mailed me....Randy Holobaugh

** Randall W. Holobaugh ** But Jesus beheld them, and said unto them, **
** rholobau@cs.umn.edu ** With men this is impossible, but with God **
** University of ** all things are possible. **
** Missouri-Rolla ** Matthew 20:26 **

Date: 1 Apr 94 02:06:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: THE problem with THE hams HERE.
To: info-hams@ucsd.edu

Frequently I hear hams say, THE name HERE is_____.
How often do you say when you meet someone (assuming your name is Tony), THE name HERE is Tony? You never do that right? After to do so is so impersonal and assinine that you would not want to seem like a fool-then why do it on the air? Just because you are a ham is no excuse not to be personal. Of course you could really sound like THE jerk of the year by saying, THE first personal here is Tony (at least if you are not personal-you are using the word-albeit it in an extremely impersonal way). Also why say "here", is your name any different when you are "there?"

73 from we here (not there) at K10IK where THE name are Burt.

Burt Fisher South Dennis (Cape Cod), Mass.
Teacher of, Video, Broadcasting, Electronics
Cape Cod Regional Vocational High School
(Home of WCCT-FM 90.3 MHZ)

FISHERB@A1.mec.mass.edu
Amateur Radio Call K10IK

Date: 1 Apr 94 02:11:16 GMT
From: dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!cleveland.Freenet.Edu!
aa813@ucbvax.berkeley.edu
Subject: Which HF rigs have Transverter Jacks?
To: info-hams@ucsd.edu

In a previous article, galen@picea.CFNR.ColoState.EDU (Galen Watts) says:

>Subject line says most of it. I know the Kenwood TS-820 has 'em and I've
>heard the TS-430 has 'em, but I'm not sure. I'm mostly interested in
>synthesized rigs, but any info is greatly appreciated!!!
>Galen, KF0YJ

>

Yes Virginia,

There is a Transverter Jack on the TS-430. It is an 8-pin DIN connector
used to interface a VHF or UHF transverter. (I am quoting the manual. I
never used it....)

73,
Joe N8IPC

Date: (null)
From: (null)
4) Unplug the 2 plugs from J11 & J12.

5) D

6) Disconnect the large black connector on the left side of radio.

P.S. If you have any good modifications for any radios, please pass them
along to me. I am starting a database of modifications for various
radios and I'm happy to pass along info to anyone who needs it.

Joe Musto - N1FCJ>>

Date: Wed, 30 Mar 1994 19:48:47
From: ihnp4.ucsd.edu!usc!yeshua.marcam.com!news.kei.com!ssd.intel.com!chnews!
ornews.intel.com!ccm.hf.intel.com!brett_miller@network.ucsd.edu
To: info-hams@ucsd.edu

References <810@comix.UUCP>, <brett_miller.84.0013359E@ccm.hf.intel.com>,
<811@comix.UUCP>l.
Subject : Re: Question on Kenwood 732 A

In article <811@comix.UUCP> jeffl@comix.UUCP (Jeff Liebermann) writes:

>>Sure the radio isn't perfect, but as you said, they all seem to have their
>>problems. If you want Motorola, you have to PAY for Motorola.
>I see. If I want quality, I should buy Motorola. However,
>because I'm a ham on a limited budget, I should tolerate design
>flaws, mechanical abomonations, human factors atrocities, and
>durability problems. It's funny, but when designing commercial
>radios, I had the same dumb line thrown at me by the
>military-aerospace crowd. I guess hams are suppose to take
>any and all abuse because we're so tolerant.

I guess you could say we are at the bottom of the radio food chain.

Brett Miller N70LQ
Intel Corp.
American Fork, UT
brett_miller@ccm.hf.intel.com

Date: 30 Mar 1994 18:51:44 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!sol.ctr.columbia.edu!
news.columbia.edu!tintin.cc.columbia.edu!fuat@network.ucsd.edu
To: info-hams@ucsd.edu

References <CnFn7H.L2t@murdoch.acc.Virginia.EDU>, <tgmcnG945.69o@netcom.com>,
<2nai88\$3c6@lester.appstate.edu>du
Subject : Re: HELP! The FCC will not issue me a ham license

In article <2nai88\$3c6@lester.appstate.edu>,
Marvin Hoffman <HOFFMANMK@CONRAD> wrote:
>Chill out guys and gals.....it may not be a perfect world but the people
>in our club who tested around December 27 got their licenses about ten
>days ago.
>

>I know it frustrating to wait but everyone seems to have to do it. Some
>time back there were postings in this group or rec.radio.amateur.misc
>that the FCC in Gettysburg only issues ham licenses one day per week and
>that there are delays at the VEC and at the FCC.

Yeah, chill out. So what if it takes less time to get a driver
license, handgun permit, etc. We don't want the FCC to be too hasty
here assigning these callsigns.

--Fuat (9.5 weeks and counting)

P.S. :-)

Columbia University fuat@columbia.edu
703 Watson Labs 212-854-4804
612 W115th Street 212-662-6442 (Fax)
New York, NY 10025

End of Info-Hams Digest V94 #356

